

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-310095

(43)Date of publication of application : 28.11.1995

(51)Int.Cl.

C11D 3/42  
D06L 3/12  
D06M 13/355  
// C09K 3/00

(21)Application number : 07-113495

(71)Applicant : CIBA GEIGY AG

(22)Date of filing : 12.05.1995

(72)Inventor : KAUFMANN WERNER  
REINEHR DIETER  
HILFIKER ROLF

(30)Priority

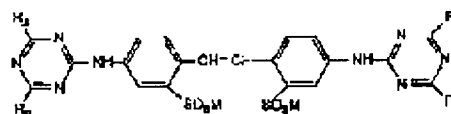
Priority number : 94 9409466    Priority date : 12.05.1994    Priority country : GB

## (54) TEXTILE TREATMENT

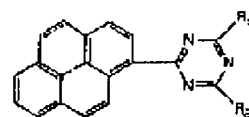
(57)Abstract:

PURPOSE: To improve the sun protection factor(SPF) of a textile material by treating the material with a compsn. contg. a specific fluorescent brightener which also acts as an ultraviolet absorber.

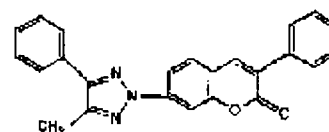
CONSTITUTION: A textile material is treated with a compsn. contg. a fluorescent brightener which absorbs a radiation in a wavelength range of 280-400 nm. The treatment is conducted pref. in a neutral, alkaline, or acidic aq. bath depending on the type of the brightener, and the treating temp. is usually 20-140°C. A compd. of formula I [wherein R1 is 2,5-disulfophenyl; R2 is morpholino, N(C2H5)2, or the like; and M is H, Na, or the like] [e.g. 4,4'-bis-(triazinylamino)stilbene-2,2-disulfonic acid] is pref. as the brightener for treating cotton fabrics; a triazinylpyrene of formula II (wherein R30 is 1-4C alkoxy) is pref., for treating polyester fabrics; and a coumarine compd. of formula III is pref., for treating wool or silk.



I



II



III

Reference 1:

JP Pat. Application Disclosure No. 7-310095 – 28 November 1995

Application No. 7-113495 – 12 May 1995

Priority: 12 May 1994, GB (Application No. 9409466.1)

Applicant: Ciba Geigy AG, CH

Title: Treatment of fiber

Note: This publication corresponds to GB2289290.